

Ten Years History and Experience of KERIS for E-Resource Management and Sharing

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Academic Research Information Center



KOREA EDUCATION & RESEARCH
INFORMATION SERVICE

Contents

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- 2 Overview of KERIS Services**
- 3 Management of Domestic e-Resources**
- 4 Management of Foreign e-Resources**

1

Overview of KERIS Business



1. Chronology

- Apr. 1999** Establishment of Korea Education and Research Information Service
- Nov. 2000 ~** National Research Information Digitization Project (1st ~ 7th)
- May 2001** KERIS assigned as “National Education and Research Information Center” by the Ministry of Information and Communication
- Nov. 2002** Sharing Bib. data with NII (National Institute of Informatics, Japan)
- Nov. 2003** RISS Membership extended to all 4-year universities in Korea
- Jan. 2004** Began implementing dCollection system
- Jul. 2005** RISS acquired ISO 9001:2000 certification
- Nov. 2005** Sharing Bib. data with CALIS(China Academic and Library Information System)
- Dec. 2005** RISS converted to UNICODE base
- May 2007** RISS Individual Membership surpassed 1 Million
- Nov. 2007** Launched RISS International
- Jan. 2008** Started ILL system Linkage with NII, Japan
- Dec. 2008** Launched KOCW (Korean OpenCourseWare)
- Mar. 2010** Korea-China ILL Service with CALIS started

2. Key Statistics

(* Unit: 10,000)

		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Individual Members*		10	19	28	46	56.7	61.3	79.5	95	111	132	153
Union Catalog Inst. Members		154	204	306	366	425	443	506	545	569	597	616
ILL/DDS Inst. Members		70	109	243	316	526	558	590	652	669	683	700
Full-text DB*	Articles	-	-	13	46	65	75	93	96	112	118	240
	Theses & Diss.	-	2.4	8	9.4	21	25.6	40	53	63	70	79
Foreign Research DB (Co- Purcha- sing)	No. of Inst.	36	93	114	132	142	147	143	158	163	170	187
	DB	7	52	54	63	68	76	81	92	98	99	111
Foreign Research DB (AcademicLicenses)		4	5	7	11	12	12	14	14	14	14	14
KOCW Contents		-	-	-	-	-	-	-	-	-	11.8	36,257

2

Overview of KERIS Services



1. Library Contents and Service Network

Union Catalog

- **Bibliographic data of universities and special libraries in Korea**
 - ▶ 8.6 M Bibliographic records located at 616 member libraries
 - ▶ International Resources : 11 M Bib records (OCLC, LC, NII, CALIS)
 - ▶ Contains catalog data of newly published materials of Korea
- **Quality Assurance for the Union Catalog**
 - ▶ Operates the MARC Standardization Committee
 - ▶ Distributes Web based Union Catalog Information (Webzine, bimonthly) of KORMARC Standards

1. Library Contents and Service Network

Union Catalog

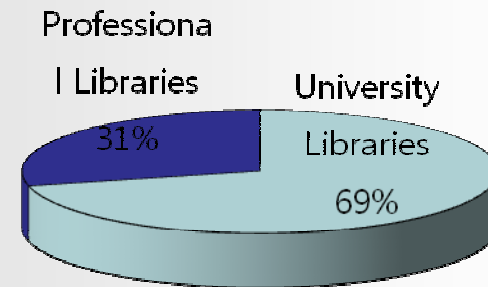
● Institutional Membership (Libraries)

▶ Annual Stats.

Year	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
No.	148	154	204	306	366	425	460	506	545	569	597	616

▶ Institutional Membership by Library Types

	No.
University Lib.	427
Professional Lib.	189
Total	616



1. Library Contents and Service Network

ILL/DDS

- **DDS & Loan of materials located at other member libraries**
- **Available Materials include;**
 - ▶ Materials located at 517 university libraries (Book Loan: 254 member)
 - ▶ Medical resources located at 183 medical libraries (universities & hospitals)
 - ▶ Materials (Journal Articles) located in foreign countries
 - ILL/DDS with 110 member libraries of NII, Japan over ISO ILL protocol
 - ILL/DDS service with 600 member libraries of CALIS, China
(Agent-based trial service: 2009. 12 ~, Full service: 2010. 3~)
 - DDS via Infotrieve in Australia for journal articles published in 35,000 research journals and proceedings from 16,000 scholarly conferences

1. Library Contents and Service Network

ILL/DDS

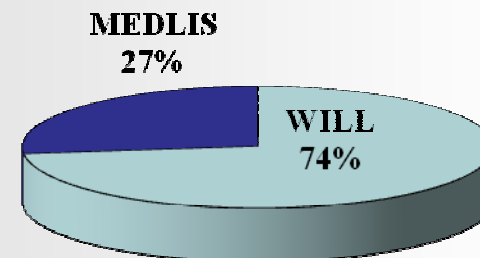
● Institutional Membership (Libraries)

▶ Annual Stats.

Year	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
No.	-	70	109	243	316	526	558	590	652	669	683	700

▶ Institutional Membership by Library Types

	No.
WILL	517
MEDLIS	183
Total	700



2. Fulltext Service

Journal Articles, Theses & Dissertations

- **Journal Articles published in Korea**

- ▶ Integrated search of digitized research findings from Korean Scholarly Communities

- **Theses & Dissertations**

- ▶ Integrated search of digitized theses & dissertations produced by Korean Universities

- **Full-text: Stats.**

Theses & Dissertations			Journal Articles		
Inst.	No. of Fulltext	No. of Downloads*	Inst.	No. of Fulltext	No. of Downloads*
190	794,000	806,000	937	2,393,000	659,000

* Number of Downloads per month

2. Fulltext Service

The screenshot shows a Microsoft Internet Explorer browser window displaying the RISS (Research Information Service System) search results page. The main window title is "'한국교육학술정보원(KERIS)'에서 제공하는 '학술연구정보서비스(RISS)' - Microsoft Internet Explorer". The address bar shows "http://www.riss4u.net/index.jsp".

The search results page lists several documents. The first result is titled "정보통신윤리 협동학습을 위한 V courseware for learning of ..." by 김중순, 한국교원대학교 교육대학원 [2008]. The second result is "지식 공유를 위한 Wiki 웹토론시스템 sharing knowledge" by 우경희, 서울교육대학교 교육대학원 [2007].

An inset window shows a preview of a document titled "원문뷰어설치" (Original Document Viewer). The document is a thesis titled "지식 공유를 위한 Wiki 웹토론시스템 설계 및 구현" (Design and Implementation of a Wiki Web-based Debate System for Sharing Knowledge) by 吳京熙 (Oh Kyung-hee), 서울교육대학교 교육대학원 (Seoul National University of Education Graduate School). The document includes a table of contents with items like "목차", "I. 서론", "II. 이론적 배경", "III. Wiki 웹토론시스템", "IV. 현장 적용 결과", "V. 결론 및 제언", "ABSTRACT", "참고 문헌", and "부록".

The Windows taskbar at the bottom shows the system tray with the date "오후 7:32" and the time "2005".

3. Foreign Research Database(s)

- **National Licenses: targeting core foreign research database(s) by subjects**
- **Co-purchasing Consortia: strengthening buying & negotiation power**

National Licenses	Purpose	Facilitates research capabilities of the nation by providing necessary core foreign databases to researchers
	No. of DBs	14(SSCI&AHCI, Scopus, ACM, PML, PQDT, LC CDS/OCLC Cataloging, JCR, Westlaw, DDOD, LION, OED, OCLC NetLibrary eBook, CiNii, SocINDEX w/FullText)
	Conditions	Participating institutions gain access through their own library homepages Non-participants have free access through RISS
Co-Purchasing Consortia	Purpose	Increases Buying Power & Negotiations Power of local univ. lib.
	No. of DBs	111
	Conditions	Available for participants of the consortia only Through consortia, price transparency and negotiation power assured.

4. RISS International

What is RISS International

- **Distinctive gateway to extensive academic resources produced in Korea**
 - ▶ Over 2.4 M fulltext & 4.8 M Bibliographic records
 - ▶ The only service supplying access to extensive Korean resources targeting institutions and researchers abroad

Major Features

- **Integrated search of KERIS Union Catalog, Korean Journal Articles and Theses & Dissertations**
- **Full-text download/MARC download (converted to MARC21)**
- **International ILL/DDS**
- **Direct import to citation management packages such as RefWorks**
- **Members** : Harvard, UCLA, Cornell, Univ. of Texas (Austin), Berlin National Library, EHESS, UCI

4. RISS International



KERIS KOREA EDUCATION & RESEARCH
INFORMATION SERVICE

Welcome to RISS International

News & Events.....

Membership

- : [Institutional Membership](#)
- : [RISS International Membershi ...](#)
- : [Membership Agreement \(dow...](#)

About RISS International

- : [Introduction](#)
- : [Registration Guideline](#)
- : [Fulltext Guideline](#)
- : [MARC Guideline](#)
- : [ILL guideline](#)

Basic Search

Advanced Search

[Korean alphabet](#) [Search tip](#)

Search for :

in
ex) "교육", "education"

- Articles Theses Books Serials

※ If "Articles" is selected, your results are displayed
Articles first.

5. Professional Activities for University Librarians

Annual Events & Training

- **Annual Conference for University Librarians**
- **Workshops for special interest groups**
 - ▶ Develop library professionals
 - ▶ Special Interests: Cataloging, ILL/DDS, Reference, Library Systems
- **KERIS Symposium (annual)**
 - ▶ Focuses on Higher Education and research supports
- **Regular training sessions for new library professionals**
 - ▶ Sessions include UNICAT and WILL

6. Korea OpenCourseWare (KOCW)

▶ **KOCW (Korea Open CourseWare) is a nation-wide educational contents sharing service for Higher Education in Korea**

(as of July 2010)

	Institutions	OCW	OER
Korean	94	903	9,934
Overseas	11	633	42,851
Total	105	1,536	52,785

6. Korea OpenCourseWare (KOCW)

The screenshot displays the KOCW (Korea Open CourseWare) website interface. At the top, there is a navigation bar with the KOCW logo and the text 'KOREA OPEN COURSEWARE'. To the right of the logo are links for '분문자료기', '오픈형', '저작권계서문', '서비스도움말', '고객만족센터', 'English', and 'RISS'. Below this is a secondary navigation bar with '강의검색', '강의등록', 'MY LIST', 'ABOUT KOCW', '회원가입', '아이디/비밀번호찾기', and '로그아웃'. The main content area features a search bar with the text '공개강의 검색' and 'COURSES & RESOURCES'. Below the search bar is a carousel of featured courses with images of speakers and titles such as '세계 속의 한국사회의 교육', '통계 자료 분석 (SPSS)', '화학결합의 특성', '교육방법 및 교육공학', and '21세기 인재 되기'. The bottom section contains several columns of content, including '주제분류별 강의 검색', '세상저널 강의 검색', '국내대학강의', '해외공개강의', '노벨상 / 석학특강', and 'e-Learning Week 2010 Conference'. The footer includes logos for MIT OpenCourseWare, Global Campus, Open Yale Courses, webcast, OpenLearn, and OPEN COURSEWARE, along with contact information and copyright notices.

* KOCW (Korea Open CourseWare): <http://www.kocw.net>

6. Korea OpenCourseWare (KOCW)

KOCW KOREA OPEN COURSEWARE

본문바로가기 | [오픈맵](#) | [* 저작권계시판](#) | [서비스도움말](#) | [고객만족센터](#) | [English](#) | [RISS](#)

[강의검색](#) | [강의등록](#) | [MY LIST](#) | [ABOUT KOCW](#) | [회원가입](#) | [아이디/비밀번호찾기](#) | [로그인](#)

공개강의 검색 COURSES & RESOURCES

전체 | 검색 | 고급검색

HOME > 강의내용 > 상세보기

학습도구 보기 | 내보내기 | My List | 공유하기

발명과 특허

- 제공기관: 부경대학교
- 교수자: 윤길수
- 주제분류: 자연과학 > 생물 · 화학 · 환경 > 환경공학
- 등록일자: 2009.04.30

강의 설명: 발명과 특허는 학생들이 손쉬운 ASIT 발명발상방법을 습득하고 온라인 특허출원 방법을 습득하여 발명과 특허를 생활화하도록 함을 목표로 강의한다. 특히 SureMath의 수리문제 해결방법과 MIT OCW 자료를 활용하는 방법을 강의하여 학생 스스로가 자발적으로 학습하는 방법을 체득함으로써 자신의 문제 해결능력을 제고시켜 공교육 강화에 일조하고자 한다.

강의 계획서: [강의계획서](#)

보충자료: [8차시자료 \(Dancing_girl\)](#) [9차시자료 \(Fish_Tony\)](#) [추천 사이트](#)

이용조건: 귀하는 원저작자를 표시하여야 합니다. [\(CC\) BY](#)

차시별 강의

번호	유형	강의명	설명
1	강의	한수반반, 특허청, 특허네, 홈페이지의 소개 (1차시)	강의소개, 학생소개, 트리즈, 특허청 사이

인기도: ★★★★★
세부강의 수: 17
언어: 한국어
키워드: 발명, 특허, Invention, Patent

Articles

Books

Video lecture

Dissertations

학위논문

학술논문

단행본

관련된 학습자료

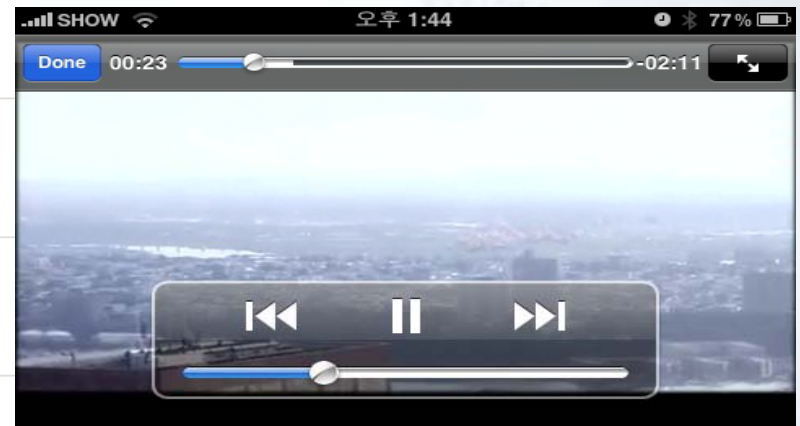
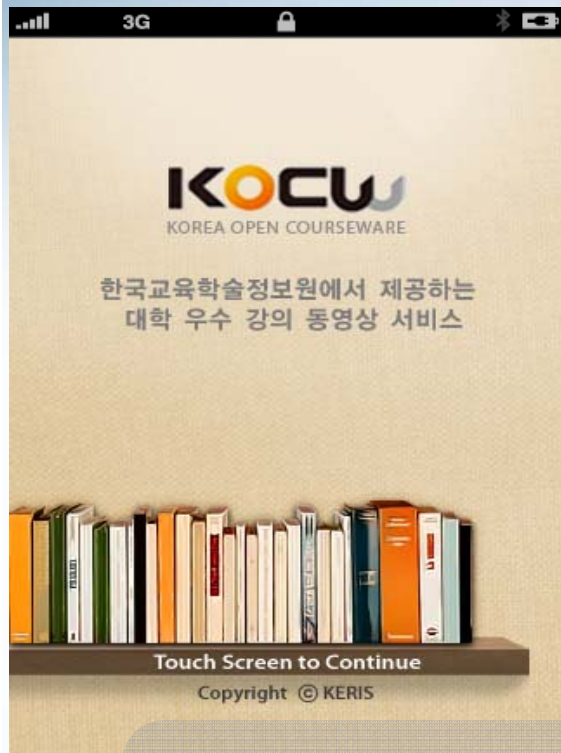
- 개성 직무발명제도의 권.
- 직무발명 보상금의 정당.
- 職務發明에 관한 研究.
- 직무발명제도에 관한 연.
- 각국 직무발명제도의 비.

오늘 본 강의가 없습니다.

WIKI 백과 검색

발명

6. Korea OpenCourseWare (KOCW)



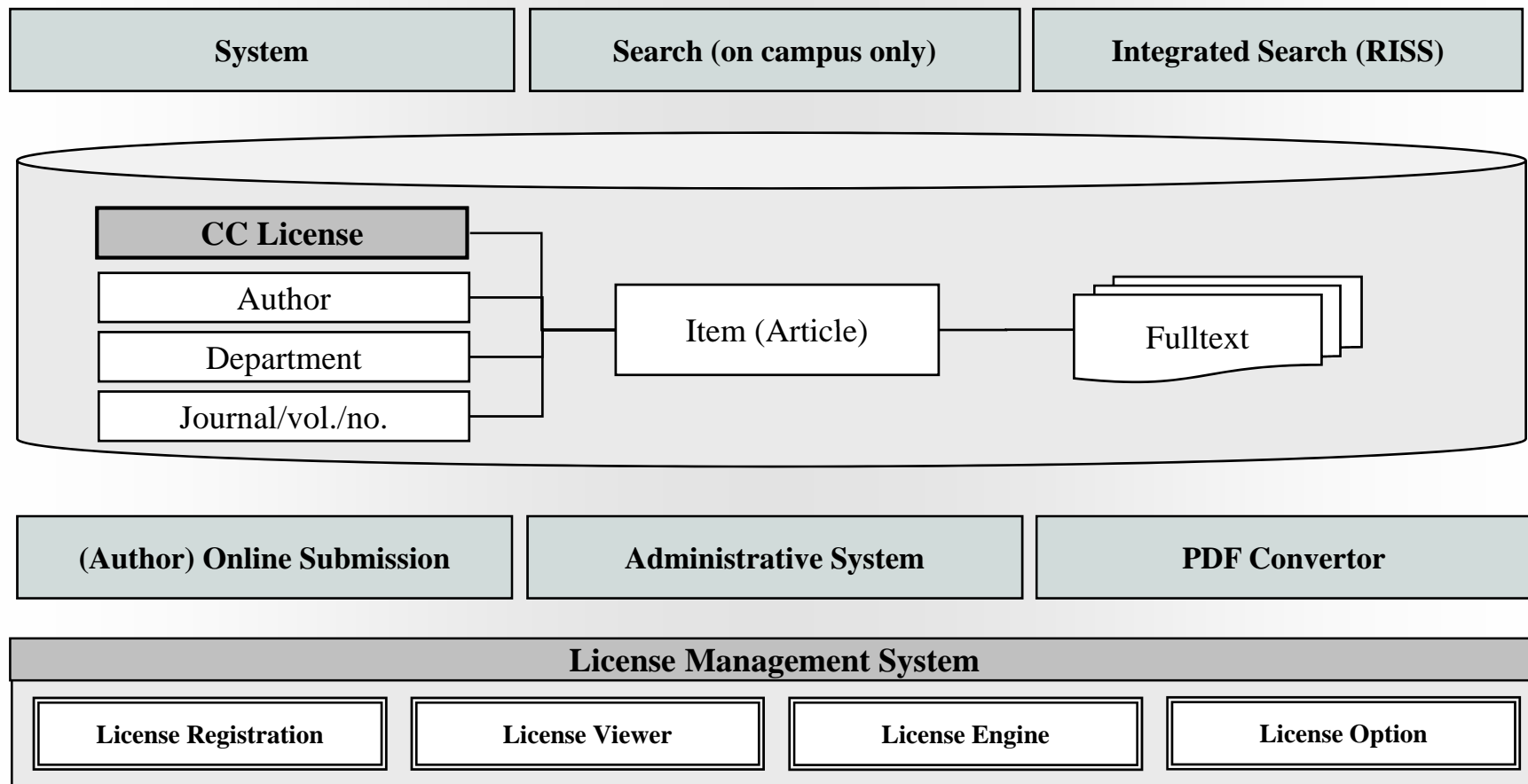
➤ **MOBILE KOCW: launched by June 2010 with iPhone application**

3 Management of Domestic e-Resources

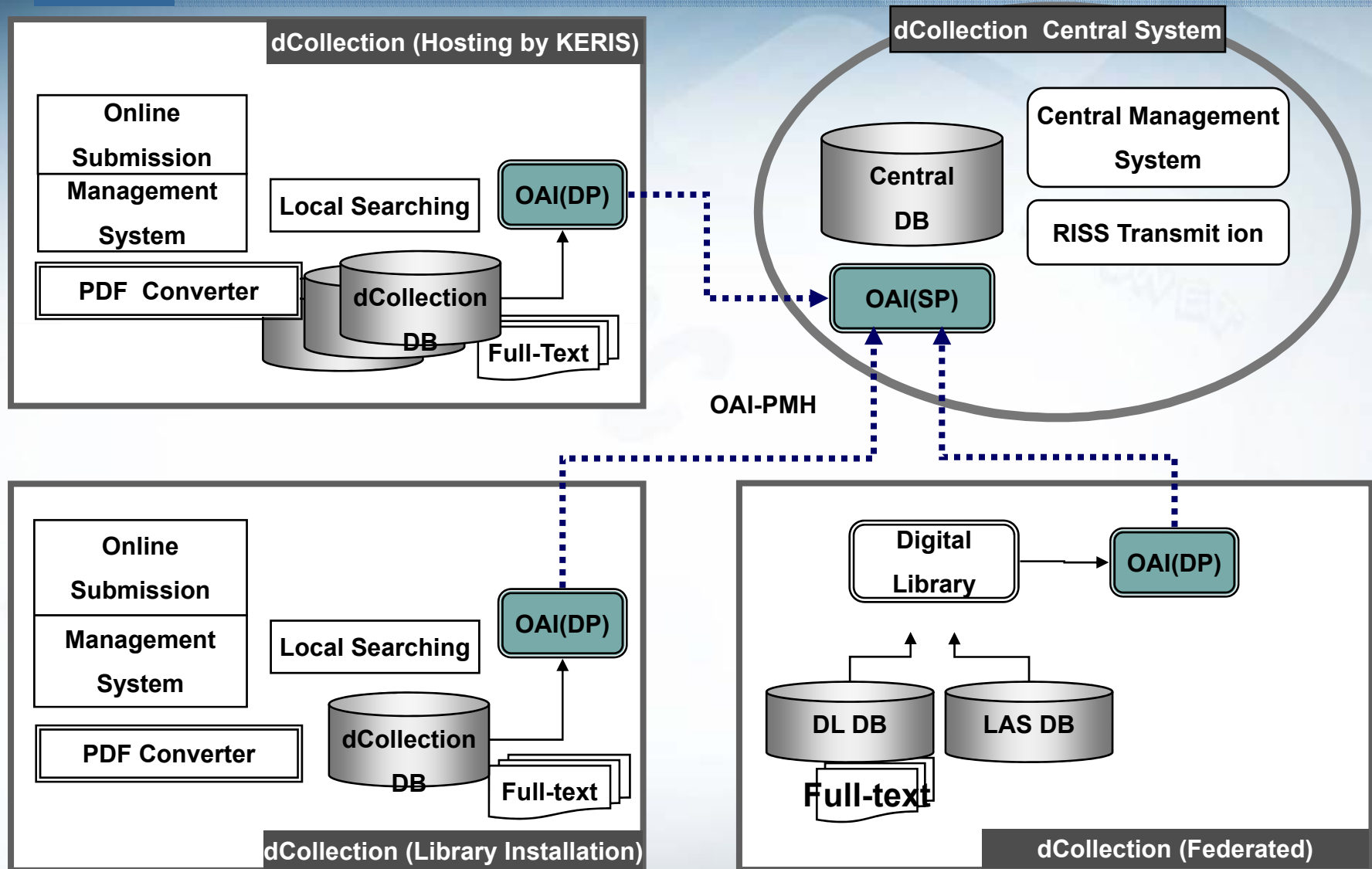


1. dCollection Overview

- **One-Stop gateway from the production to the distribution of research outcomes of universities and affiliated research institutions**



2. dCollection System Configuration



3. dCollection Operation

● dCollection: Member Institutions

	2003	2004	2005	2006	2007	2008	2009
No. of Inst.	4	20	40	62	206	206	206

● dCollection: # of Items Registered for Last 5 Years

		2006	2007	2008	2009	2010
Article	# of item	2,664	3,571	3,027	2,078	1,139
Thesis	# of item	26,943	41,990	56,455	55,497	53,534
	Registration Rate	60%	66%	74.7%	80.4%	-

● # of Article and Thesis

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Article	-	13	46	65	75	93	96	112	118	240
Thesis	2.4	8	9.4	21	25.6	40	53	63	70	79

신규제출

[제출자정보] [메타정보 입력] [저작권 동의] [원문등록] [제출확인]

○ 메타데이터 입력
[*]는 필수 입력 사항입니다. 꼭 기재해 주십시오

항목	내용																					
*제목(한글)	Producer-Archive Interface Methodolo																					
제목(영문)																						
*저자(한글)	CCSDS																					
저자(영문)																						
소속																						
저자이메일																						
+ *주제(키워드)	OAIS																					
- 주제(키워드)	CCSDS 651.0-R-1																					
주제(KDC)																						
※언어를 선택																						
+ *초록/요약	This document has been approved for Management Council of the Consultat Space Data Systems (CCSDS) and re of technical panel experts from CCSD The procedure for review and authoriz Reports is detailed in the Procedures Consultative Committee for Space Dat																					
목차	<table border="1"> <tbody> <tr> <td>1</td> <td>INTRODUCTION</td> <td>1-1</td> </tr> <tr> <td>1.1</td> <td>PURPOSE AND SCOPE</td> <td></td> </tr> <tr> <td>1.2</td> <td>APPLICABILITY</td> <td>1-1</td> </tr> <tr> <td>1.3</td> <td>RATIONALE</td> <td>1-2</td> </tr> <tr> <td>1.4</td> <td>CONFORMANCE</td> <td>1-2</td> </tr> <tr> <td>1.5</td> <td>DOCUMENT STRUCTURE</td> <td></td> </tr> <tr> <td>1.6</td> <td>DEFINITIONS</td> <td>1-4</td> </tr> </tbody> </table>	1	INTRODUCTION	1-1	1.1	PURPOSE AND SCOPE		1.2	APPLICABILITY	1-1	1.3	RATIONALE	1-2	1.4	CONFORMANCE	1-2	1.5	DOCUMENT STRUCTURE		1.6	DEFINITIONS	1-4
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1.5	DOCUMENT STRUCTURE																					
1.6	DEFINITIONS	1-4																				
*발행기관	CCSDS																					
지도교수																						
*발행년도	2006																					
*학위수여년월	2006, 2																					
*학위명	석사																					
*학과 및 전공	경영대학원 경영학과																					
세부전공	경영학 전공																					
원문페이지																						
*본문언어	한국어																					

다음 단계

신규제출

[제출자정보] [메타정보 입력] [저작권 동의] [원문등록] [제출확인]

○ 원문

원문유형 일반문서(hwp.doc 등) PDF URL 별도제출(파일을 제출할 수 없는 분에 한함)

※ 논문을 여러 개의 파일로 분할하여 등록할 경우, 파일 등록 순서는 반드시 논문의 순서와 동일해야 합니다.
ex) 서론.hwp ⇒ 본문.hwp ⇒ 결론.hwp (O) | 본문.hwp ⇒ 서론.hwp ⇒ 결론.hwp (X)

파일명

D:\W[03] Digital Library\W\OAI\W651x0r1-jgg.doc

(각 파일은 가급적 20M 이내로 해주세요.)

시작페이지

- 본문의 시작인 1, 서론 이 1 페이지에서 시작하더라도 문서파일(hwp, doc 등)에서 1, 서론 이 3 페이지에서 시작하는 경우 3 을 입력합니다.

목차(책갈피)

1	INTRODUCTION	1-1
1,1	PURPOSE AND SCOPE	1-1
1,2	APPLICABILITY	1-1
1,3	RATIONALE	1-2

목차(책갈피) 입력 방법

- 논문 본문의 목차(책갈피)를 입력하는 항목입니다.
- 서론, 본문 그리고 결론까지의 내용이 담겨져 있는 목차 항목을 입력합니다.
- 원문문서파일(hwp, doc 등) 파일을 첨부하는 사람은 반드시 입력해야 하는 항목입니다.
- 목차항목의 각 라인은 반드시 숫자로 끝나야 하며, 숫자 앞에는 빈 문자(공백)가 있어야 합니다.
- 일반적으로 학위논문 작성파일에 있는 본문의 목차내용을 복사해서 붙여 넣으면 됩니다.
- 책갈피 생성의 기본 자료가 되기 때문에 목차 내용과 목차가 가리키는 페이지가 정확한 정보를 입력해야 합니다.

목차(책갈피) 미리보기

1, 서론 이
 1,1 연구배경 이
 1,1,1 연구동향 이
 1,1,2 연구동향 이
 1,2 연구동향 이

[목차(책갈피) 예]

다음 단계

검색

신규제출

제출내역조회

개인공지 : FAQ : 질의응답

GUEST님 dCollection에 오신것을 환영합니다.

홈 > dCollection교내검색

dCollection 검색

일반검색

고급검색

디렉토리 검색

히스토리검색 도움말

전체

검색

재입력

총 2 건, 전체 = producer

NO.	제목▲	저자△	발행처△	발행년도△	자료유형△	원문	초록	목차
1	TV 프로그램 제작과정에서 나타난 미디어 조직과 제작진의 갈등과 타협에 관한 연구	李鍾媛	이화여자대학교 대학원	1991	학위논문			
2	한국 방송제작사의 시정사 상 연구	성은성	이화여자대학교	1997	학위논문			

결과내 검색

전체

검색

재입력

< 이전 1 다음 >

4 Management of Foreign e-Resources



1. Changes of Subscription for Foreign DB's

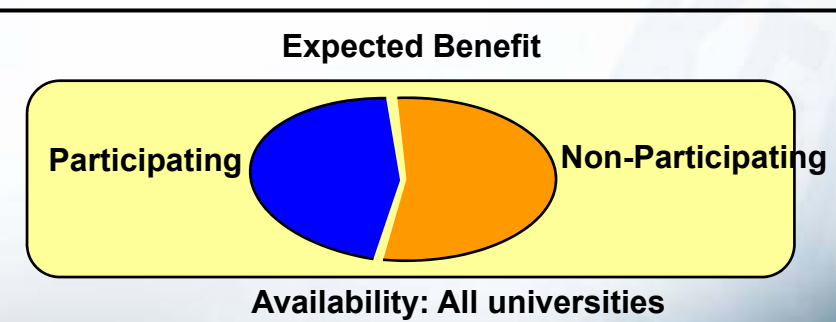
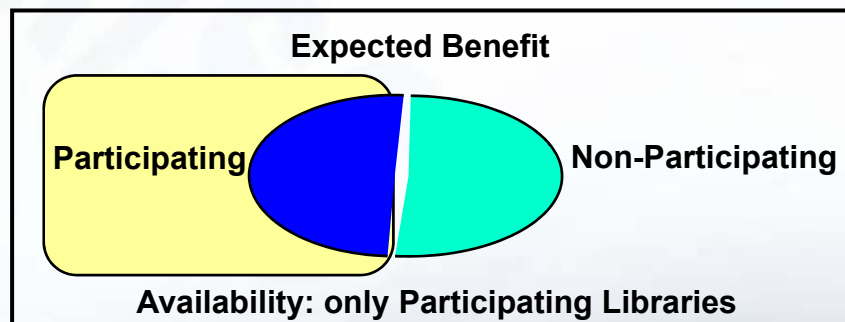
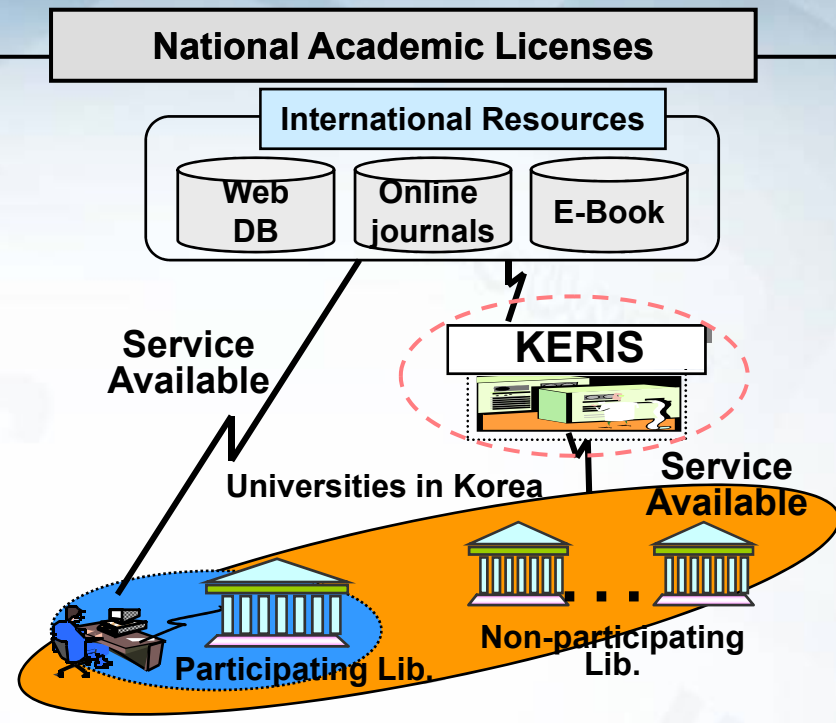
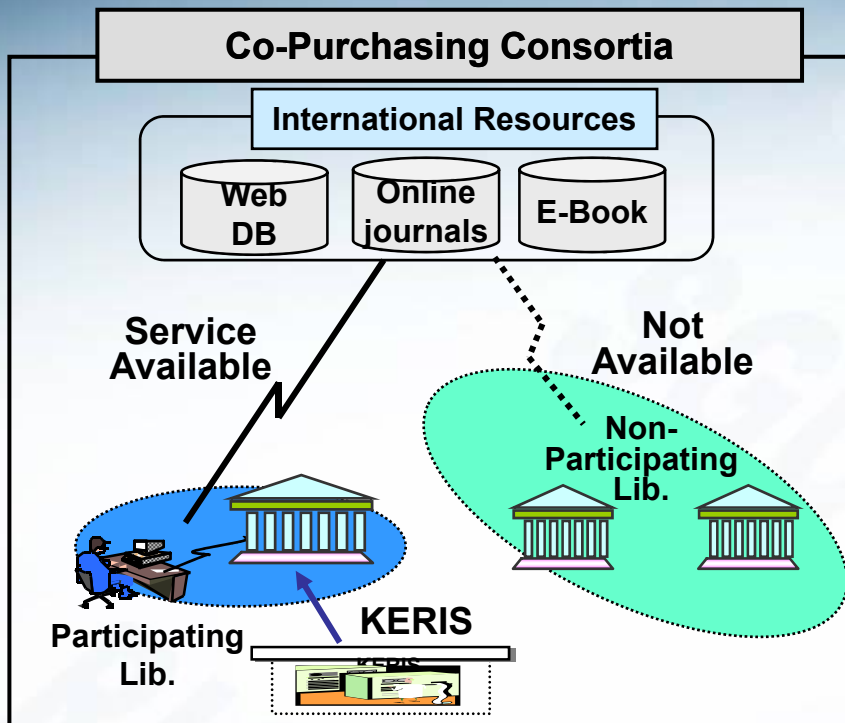
	2002	2003	2004	2005	2006	2007	2008	2009	2010
# of foreign DB's Subscribed	11.3	12	13.1	14.2	15.3	16	18.6	22.9	24.6
Portion of Budget for Foreign DB's (%)	14.6	15.5	19	22.1	20	21.9	28.8	39.6	44.1

2. KERIS Consortia Models

- National academic license versus co-purchasing consortia

	National academic license	co-purchasing consortia
Concept	nationwide academic site licensing model	co-purchasing model among universities and non-profit institutions
Content	web databases, e-book, e-journal	web databases, references etc.
License	participating libraries & non-participating libraries (academic users registered in RISS)	participating libraries ONLY
Status	14 Web DBs & e-books	111 DBs, 187 institutions

2. KERIS Consortia Models



2. KERIS Consortia Models

- **KERIS subsidy policy for academic licenses**
 - **Subscription matching-fund consortium : between 25 ~ 30% of the total license fee**
 - **Permanent ownership consortium : 50 ~ 100% rate**
 - **Subsidy benefits : small libraries, researchers**
- **KERIS pricing models**
 - **Criteria of KERIS pricing models : FTE**
 - ⇒ **no. of graduate school enrollment & no. of researchers**

3. KERIS Electronic Resource Committee

- **KERIS Academic License Committee**
 - Consisting of 10 professional librarians
 - 5 members from national universities, 5 from private universities
 - 1-2 academic license DB's allocated to a member for negotiation

- **Electronic Resources Co-purchasing Committee**
 - Consisting of 4 profession librarians
 - All the DB's for co-purchasing are checked by committee members for price and usage condition
 - Especially focusing on the DB of price higher than the suggested price guideline

4. Usage Analysis of Academic License DB's

	KERIS Subscription Fee	University Subscription Fee	# of Subscribing Universities	# of Search		# of Download	
				KERIS	Subscribing Universities	KERIS	Subscribing Universities
DB3	30.40%	69.60%	36	0.20%	99.80%	2.60%	97.40%
DB6	17.70%	82.30%	59	11.20%	88.80%	11.20%	88.80%
DB8	25.80%	74.20%	41	49.50%	50.50%	33.60%	66.40%
DB9	27.20%	72.80%	46	5.30%	94.70%	8.70%	91.30%
Total	35.80%	64.20%	-	14.40%	85.60%	15.80%	84.20%

5. KERIS Academic License Collection

- ○ **ACM Portal : Association for Computing Machinery Portal**
- **EBSCOhost Premier Package : ASP & BSP (2001)**
- **JCR Web : Journal Citation Report on the Web**
- **LexisNexis Academic (2001)**
- **EBSCO netLibrary eBook**
- **PDU : ProQuest Dissertations Unlimited**
- **PML : ProQuest Medical Library**
- **ProQuest Central / Academic Research Library (2001)**
- **Scopus**
- **SocINDEX Full Text etc.**

5. KERIS Academic License Collection

- Available from 16:00PM to 9:00AM

: ACM Portal, LexisNexis Academic, netLibray eBook, PQDT

- Available from 17:00PM - to 9:00AM

: EBSCOhost Premier Package(ASP/BSP), PML,
ProQuest Central/ARL, Scopus, SocINDEX with FT

6. KERIS Digital Archives

- DDOD : Digital Dissertation on Demand

2004	2005	2006	2007	2008	2009	2010
57,054	67,779	79,261	92,370	101,084	106,084	115,297

- e-Book

2004	2005	2006	2007	2008	2009	2010
25,100	30,100	34,650	42,230	49,996	57,019	57,019

7. KERIS Co-purchasing Consortium

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
No. of Inst.	36	93	114	132	142	147	143	158	163	170	187
DB	7	52	54	63	68	76	81	92	98	99	111

8. Business Principles

- **Selection Criteria for Academic License**
 - High need in survey, high participation in the consortium
 - Broad coverage with full-text
 - Digital archive for long-term use as nation asset
 - Affordable price and usage condition
- **Negotiation Principle for Co-purchasing**
 - Price guideline(annual increase less than 3-5%)
 - Exception from the guideline for the DB of usage much higher than in the previous year

KERIS



Thank you



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